FORM PTO 1390 (REV 5-93) US DEPARTMENT OF COMMERCE PATENT AND TR	ATTORNEY DOCKET NUMBER 2006_0852A	
DESIGNATED/ELECTED OFFICE (DO/ECCONCERNING A FILING UNDER 35 U.S.	U.S. APPLICATION NO. (if known, see 37 CFR 1,5) 10/583,321	
International Application No. PCT/JP2004/018956	International Filing Date December 13, 2004	Priority Date Claimed December 17, 2003
Title of Invention INJECTABLE COMPOSITION		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

- 1. [] This is a FIRST submission of items concerning a filing under 35 U.S.C. §371.
- 2. [X] This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. §371.
- 3. [] This express request to begin national examination procedures (35 U.S.C. §371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. §371(b) and PCT Articles 22 and 39(1).
- 4. [] A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
- 5. [] A copy of the International Application as filed (35 U.S.C. §371(c)(2))
 - a. [] is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. [] has been transmitted by the International Bureau.

Applicant(s) For DO/EO/US

Takayuki DOEN et al.

- c. [] is not required, as the application was filed in the United States Receiving Office (RO/US)
- 6. [] A translation of the International Application into English (35 U.S.C. §371(c)(2)).
- 7. [] Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3)).
 - a. [] are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. [] have been transmitted by the International Bureau.
 - c. [] have not been made; however, the time limit for making such amendments has NOT expired.
 - d. [] have not been made and will not be made.
- 8. [] A translation of the amendments to the claims under PCT Article 19.
- 9. [] An oath or declaration of the inventor(s) (35 U.S.C. §371(c)(4)).
- 10. [] A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. §371(c)(5)).

Items 11. to 14. below concern other document(s) or information included:

- 11. [] An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
- 12. [] An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
- 13. [] A FIRST preliminary amendment.
 - [] A SECOND or SUBSEQUENT preliminary amendment.
- 14. [X] Other items or information: English Translation of the International Preliminary Report on Patentability

U.S. APPLICATION NO. (if known, s 10/583,321 🔊	see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO. PCT/JP2004/018956		ATTORNEY'S DOCKET NO. 2006_0852A	
15. [] The following fees are subm	CALCULATIONS	PTO USE ONLY			
Basic National Stage Fee National Stage Search Fee (International Stage Examination Fee Specification/drawings in excess of					
ENTER APPROP	\$				
Surcharge of \$130.00 for furnishing claimed priority date (37 CFR 1.4)	•	later than [] 20 [] 30 months fro	m the earliest	\$	
Claims	Number Filed	Number Extra	Rate		
Total Claims	- 20 =		X \$50.00	\$	
Independent Claims	- 3 =		X \$200.00	\$	
Multiple dependent claim(s) (if ap	plicable)		+ \$360.00	\$	
TOTAL O	F ABOVE CAL	CULATIONS =		\$	
[] Small Entity Status is hereb	by asserted. Above fees a	are reduced by 1/2.		\$	
SUBTOTAL =				\$	
Processing fee of \$130.00 for furn claimed priority date (37 CFR 1.4	\$				
,	\$				
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$					
T	\$				
				Amount to be refunded	\$
				Amount to be charged	\$
 a. [] A check in the amount of \$ to cover the above fees is enclosed. A duplicate copy of this form is enclosed. b. [] Please charge my Deposit Account No. 23-0975 in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. 					
c. [] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-0975.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
9. CORRESPONDENCE ADDRESS But					
By:					
CUSTOMER NO					
000513 WENDEROTH, 2033 "K" Str				LIND & PONACK, L.L. reet, N.W., Suite 800	r.
Phone				on, D.C. 20006-1021 e:(202) 721-8200 (202) 721-8250	·
Au				gust 24, 2006	:

[CHECK NO.______]
[2006_0852A]

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 664769	FOR FURTHER ACTION	See item 4 below	
International application No. PCT/JP2004/018956	International filing date (day/month/year) 13 December 2004 (13.12.2004)	Priority date (day/month/year) 17 December 2003 (17.12.2003)	
International Patent Classification (8t See relevant information in Form I	h edition unless older edition indicated) PCT/ISA/237		
Applicant TAKEDA PHARMACEUTICAL CO	OMPANY LIMITED		

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis. 1(a).				
2.	This REPORT consists of a total of 5 sheets, including this cover sheet.				
	In the attached sheets, any refer to the international preliminary	rence to the written opinion or report on patentability (Cha	of the International Searching Authority should be read as a reference pter I) instead.		
3.	3. This report contains indications relating to the following items:				
	Box No. I	Basis of the report			
	Вох №. П	Priority			
	Box No. III	Non-establishment of op applicability	oinion with regard to novelty, inventive step and industrial		
	Box No. IV	Lack of unity of invention	on		
	Box No. V	Reasoned statement und applicability; citations a	ler Article 35(2) with regard to novelty, inventive step or industrial nd explanations supporting such statement		
	Box No. VI	Certain documents cited			
	Box No. VII	Certain defects in the in	ternational application		
	Box No. VIII	Certain observations on	the international application		
4.	The International Bureau will conot, except where the applicant date (Rule 44bis .2).	ommunicate this report to de makes an express request ur	esignated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but nder Article 23(2), before the expiration of 30 months from the priority		
			Date of issuance of this report 20 June 2006 (20.06.2006)		
	The International Bur		Authorized officer		
	34, chemin des Co 1211 Geneva 20, S		Masashi Honda		

Telephone No. +41 22 338 70 10

Facsimile No. +41 22 740 14 35

Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

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o:•			•		FO
			•		WIPO
-	see form P	CT/ISA/220	0,0/6	INTERNATIO	TTEN OPINION OF THE ONAL SEARCHING AUTHORITY (PCT Rule 43 <i>bis</i> .1)
	•			Date of mailing (day/month/year)	see form PCT/ISA/210 (second sheet)
	cant's or agent's file i			FOR FURTHER See paragraph 2 be	
	national application N NJP2004/018956		International filing date 13.12.2004	(day/month/year)	Priority date (day/month/year) 17.12.2003
	national Patent Class K9/08, A61K31/4		both national classification 18	n and IPC	
	icant (EDA PHARMA)	CEUTICAL CO	MPANY LIMITED		
				•	
	This opinion co	ontains indicat	ions relating to the fo	ollowing items:	
	☑ Box No. I	Basis of the o			
	Box No. II	Priority .	pinion		
	☐ Box No. III	•	ment of opinion with re	eaard to novelty, inve	entive step and industrial applicability
	Box No. IV	Lack of unity		3 -w =	•
	☐ Box No. V	Reasoned sta		bis.1(a)(i) with regard ons supporting such :	d to novelty, inventive step or industrial statement
	☐ Box No. VI	Certain docu	ments cited		•
	☐ Box No. VII	Certain defec	ts in the international a	pplication	
	☐ Box No. VIII	Certain obse	vations on the internat	ional application	
2.	FURTHER ACT	ION			
	written opinion of the applicant challendernational Burwill not be so co	of the Internation of the Intern	enal Preliminary Examinority other than this one see 66.1 bis(b) that writte	ning Authority ("IPEA e to be the IPEA and n opinions of this Inte	will usually be considered to be a "). However, this does not apply where the chosen IPEA has notifed the ernational Searching Authority
	cubmit to the IP	PEA a written re e date of mailin	nly together where an	propriate, with amen	the IPEA, the applicant is invited to dments, before the expiration of three tion of 22 months from the priority date,
	For further option	ons, see Form	PCT/ISA/220.		
3. For further details, see notes to Form PCT/ISA/220.					
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European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465

Uhl, M.

Telephone No. +49 89 2399-8654



WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2004/018956

	Box N	lo.	Basis of the opinion
1.	With re	ega ngu	ard to the language , this opinion has been established on the basis of the international application in age in which it was filed, unless otherwise indicated under this item.
	la	angi	opinion has been established on the basis of a translation from the original language into the following uage , which is the language of a translation furnished for the purposes of international search er Rules 12.3 and 23.1(b)).
2.	With r	rega ssa:	ard to any nucleotide and/or amino acid sequence disclosed in the international application and by to the claimed invention, this opinion has been established on the basis of:
	a. typ	e o	f material:
		а	sequence listing
		l t	able(s) related to the sequence listing
	b. for	rma	t of material:
		ì	n written format
] i	in computer readable form
	c. tim	ne c	of filing/furnishing:
			contained in the international application as filed.
]	filed together with the international application in computer readable form.
]	furnished subsequently to this Authority for the purposes of search.
3		has	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto s been filed or furnished, the required statements that the information in the subsequent or additional pies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.
	4. Add	itio	nal comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2004/018956

			ti was the investigation and industr	rial		
	No. III Non-establishment of icability	opin	ion with regard to novelty, inventive step and industr	lai		
The obvi	questions whether the claimed in ous), or to be industrially applicate	nvent ble ha	ion appears to be novel, to involve an inventive step (to bave not been examined in respect of:	e non		
	the entire international application,					
\boxtimes	claims Nos. 20,21		•			
beca	ause:					
	the said international application does not require an international	n, or t Il prei	he said claims Nos. relate to the following subject matiminary examination (specify):	tter which		
	the description, claims or drawing unclear that no meaningful opin	ngs <i>(i</i> ion c	indicate particular elements below) or said claims Nos. ould be formed (specify):	are so		
	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.					
\boxtimes	no international search report has been established for the whole application or for said claims Nos. 2					
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:					
	the written form		has not been furnished			
•			does not comply with the standard			
	the computer readable form		has not been furnished			
٠			does not comply with the standard			
	the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.					
	See separate sheet for further	deta	ils			

International application No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

PCT/JP2004/018956

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following document/s/:

D1: US-A-4 073 907 D2: EP-A-0 356 143

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claims 1,5,8-10,12-16 and 19 does not involve an inventive step in the sense of Article 33(3) PCT.

The document D2 is regarded as being the closest prior art and discloses highly alkaline injectible solutions of lansoprazole. The subject-matter of the present invention therefore differs from this known solution by the presence of a chelating agent.

The problem to be solved by the present invention may therefore be regarded as sequestering metal ions in injectible solutions so they may occur.s

The solution proposed in claims 1,5,8-10 or 12-16 and 19 of the present application cannot be considered as involving an inventive step (Article 33(3) PCT) for the following reasons: The skilled person preparing injectible solutions and being faced with the problem of metal ions causing precipitation of active agents will inevitably try to sequester those metal ions from the solution. Any person trained in chemistry and facing a problem cauesed by metal ions will like a reflex add chelating compounds and most probably EDTA. D1 e.g. discloses the stabilisation of an active principle which precipitated due to the presence of metal ions from eluted from the package material by EDTA in order to keep the injectible solution clear and ready to be used. Therefore the subject matter in the above cited claims does not comprise an inventive step.